

# An Vo

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M.S. student @ [Korea Advanced Institute of Science & Technology \(KAIST\)](#)  
291 Daehak-ro, Yuseong District, Daejeon, South Korea






## BIOGRAPHY

An is a second-year M.S. student at [Korea Advanced Institute of Science & Technology \(KAIST\)](#), working with [Mohammad Reza Taesiri](#), [Daeyoung Kim](#) and [Anh Totti Nguyen](#). His M.S. program is fully funded by the [Hyundai CMK Global Scholarship](#), a prestigious fully-funded scholarship for top Southeast Asian students. Prior to joining KAIST, An obtained his B.S. degree as the *valedictorian* at the [Vietnam National University - Ho Chi Minh City \(VNU-HCM\)](#) in 2023, where he worked with [Ngoc Hoang Luong](#). **An is broadly interested (but not limited to) in foundation models (e.g, LLMs, VLMs), especially in making them more trustworthy and explainable in rare/hard cases.** His works have been accepted at top venues: ICML, AACL, GECCO, etc.

## EDUCATION

- **Korea Advanced Institute of Science & Technology (KAIST)**   
M.S. in Computer Science | Advisors: [Daeyoung Kim](#), [Anh Totti Nguyen](#)  
◦ Thesis: Detecting and Understanding Biases in Foundation Models  
Feb 2024 – Feb 2026  
Daejeon, South Korea
- **University of Information Technology (UIT), Vietnam National University HCMC**   
B.S. in Computer Science | Advisor: [Ngoc Hoang Luong](#)  
◦ GPA: 9.32/10 (**Valedictorian**, #1)  
◦ Thesis: Many-Objective Evolutionary Neural Architecture Search with Performance Predictors (10/10, **Best Thesis**)  
Aug 2019 – Apr 2023  
Ho Chi Minh City, Vietnam
- **Phan Ngoc Hien High School for the Gifted**   
Specialized in Mathematics and Informatics  
Aug 2016 – Jul 2019  
Ca Mau, Vietnam

## EXPERIENCE

- **Korea Advanced Institute of Science & Technology (KAIST)**   
Graduate Research Assistant  
◦ Broadly interested (but not limited to) in foundation models (e.g, LLMs, VLMs), especially in making them more trustworthy and explainable in rare/hard cases.  
Feb 2024 – Present  
Daejeon, South Korea
- **Auburn University**   
Research Collaborator/Remote Visiting Student  
◦ Remote collaboration with Prof. [Anh Totti Nguyen](#).  
Mar 2024 – Present  
Remote
- **University of Information Technology (UIT), Vietnam National University HCMC**   
Undergraduate Research Assistant  
◦ Conducted research on Evolutionary Computation, Neural Architecture Search (NAS), Vehicle Routing Problem, and Multi-Objective Optimization.  
◦ Developed novel algorithms to enhance the efficiency of NAS using evolutionary and other optimization algorithms.  
Apr 2020 – Jan 2024  
Ho Chi Minh City, Vietnam
- **ZaloPay, VNG Corporation**   
Associate Data Scientist  
◦ Led development of a Customer Lifetime Value (CLV) prediction system for 5M ZaloPay users, leveraging XGBoost/LightGBM and advanced financial feature engineering.  
◦ Improved user segmentation and retention strategies by enabling more accurate value prediction and targeted engagement initiatives.  
Jul 2023 – Sep 2023  
Ho Chi Minh City, Vietnam
- **Eximbank**   
Software Engineer  
◦ Developed core banking modules to enhance system functionality and support business operations.  
◦ Engineered database-ready features enabling efficient data extraction and analytics for the business team.  
May 2023 – Jul 2023  
Ho Chi Minh City, Vietnam

\* indicates equal contribution.

### Conference papers

- [C.1] An Vo, Mohammad Reza Taesiri, Daeyoung Kim, Anh Totti Nguyen (2025). B-score: Detecting biases in large language models using response history. *Forty-Second International Conference on Machine Learning (ICML 2025)*. [[pdf](#) | [project website](#)]
- [C.2] Thao Do, Dinh Phu Tran, An Vo, Daeyoung Kim (2025). Reference-Based Post-OCR Processing with LLM for Precise Diacritic Text in Historical Document Recognition. *Annual AAAI Conference on Artificial Intelligence (AAAI 2025)*. [[pdf](#) | [code](#) | [dataset](#)]
- [C.3] An Vo, Ngoc Hoang Luong (2024). Efficient Multi-Objective Neural Architecture Search via Pareto Dominance-based Novelty Search. *Genetic and Evolutionary Computation Conference (GECCO 2024)*. [[pdf](#) | [code](#)]
- [C.4] Nhat Minh Le\*, An Vo\*, Ngoc Hoang Luong (2024). Zero-Cost Proxy-Based Hierarchical Initialization for Evolutionary Neural Architecture Search. *IEEE Congress on Evolutionary Computation (CEC 2024)*. [[pdf](#)]
- [C.5] Khoa Huu Tran, Luc Truong, An Vo, Ngoc Hoang Luong (2023). Accelerating Gene-pool Optimal Mixing Evolutionary Algorithm for Neural Architecture Search with Synaptic Flow. *Genetic and Evolutionary Computation Companion Conference (GECCO Companion 2023)*. [[pdf](#) | [code](#)]
- [C.6] An Vo, Tan Ngoc Pham, Van Bich Nguyen, Ngoc Hoang Luong (2022). Training-Free Multi-Objective and Many-Objective Evolutionary Neural Architecture Search with Synaptic Flow. *International Symposium on Information and Communication Technology (SoICT 2022)*. **Best Paper Award**. [[pdf](#) | [code](#)]

### Journal papers

- [J.1] Ngoc Hoang Luong, Quan Minh Phan, An Vo, Tan Ngoc Pham, Dzung Tri Bui (2024). Lightweight Multi-Objective Evolutionary Neural Architecture Search with Low-Cost Proxy Metrics. *Information Sciences*. [[pdf](#) | [code](#)]
- [J.2] An Vo, Tan Ngoc Pham, Van Bich Nguyen, Ngoc Hoang Luong (2023). Lightweight Multi-Objective and Many-Objective Problem Formulations for Evolutionary Neural Architecture Search with the Training-Free Performance Metric Synaptic Flow. *Informatica*. [[pdf](#) | [code](#)]

### Preprint/Under review

- [P.1] An Vo\*, Khai-Nguyen Nguyen\*, Mohammad Reza Taesiri, Vy Tuong Dang, Anh Totti Nguyen†, Daeyoung Kim† (2025). Vision Language Models are Biased. *Under review* (Front-page, Top-5 Hacker News). [[pdf](#) | [project website](#)]
- [P.2] Vy Tuong Dang\*, An Vo\*, Emilio Villa-Cueva, Quang Tau, Duc Dm, Thamar Solorio, Daeyoung Kim (2025). ViExam: Are Vision Language Models Better than Humans on Vietnamese Multimodal Exam Questions? *Under review*. [[pdf](#) | [project website](#)]
- [P.3] Thao Do, Dinh Phu Tran, An Vo, Seon Kwon Kim, Daeyoung Kim (2025). LooComp: Leverage Leave-One-Out Strategy to Encoder-only Transformer for Efficient Query-aware Context Compression. *Under review*.
- [P.4] Gabriel Manalu, An Vo, Duc Dm, Quang Tau, Nguyen Dinh Son, Minh Son Hoang, Hyeontaek Hwang, Jaesung Lee, Hyojin Choi, Tuan Phong Tran, Daeyoung Kim (2025). RADBench: Evaluating Foundation VLMs for Corner Case Description on A Comprehensive Dataset. *Under review*.
- [P.5] An Vo, Nhat Minh Le, Ngoc Hoang Luong (2024). Efficient Multi-Objective Neural Architecture Search via Tree Search with Training-Free Metrics. *Under review*.

## GRANTS AND FELLOWSHIPS

### In M.S. Program

- 2025: Hyundai CMK Global Scholarship of Excellence (for ICML 2025 paper acceptance) – \$2200
- 2025: Hyundai CMK International Symposium Scholarship (ICML 2025 travel grant) – \$1500
- 2025: Cohere Labs Research Grant (with Vy Tuong Dang) – \$2,000
- 2025: Together AI Research Grant – \$150
- 2024: OpenAI Research Grant – \$2,500
- 2024: Cohere For AI Research Grant – \$1,000
- 2024–2026: KAIST Fellowship – \$22,000 (estimated total value)
- 2024–2026: Hyundai Chung-Mong Koo Global Scholarship – \$45,000 (estimated total value)

### In B.S. Program

- 2022–2023: Incentive for Scientific Publications – \$100
- 2019–2023: University of Information Technology, VNU-HCM Merit Scholarships – \$3,600 (estimated total value)

#### **In High School**

- 2016–2019: Incentive for Participation and Awards in High School Olympiads – \$1,000 (estimated total value)

### **SELECTED HONORS AND AWARDS**

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#### **In B.S. Program**

- 2023: **Valedictorian** of the B.S. Program
- 2023: Excellent Graduate of the B.S. Program
- 2022: **Best Paper Award** at the International Symposium on Information and Communication Technology (SoICT)
- 2022: Ho Chi Minh City Outstanding Youth
- 2022: Award for Outstanding Scientific Research Publications
- 2019: Top 100 Student Leaders of Ho Chi Minh City
- 2019–2023: Recognized for Excellence in Academics and Personal Development

#### **In High School**

- 2019: Consolation Prize in the Provincial Science and Engineering Fair
- 2018: First Prize in the Provincial Youth Informatics Competition
- 2018: First Prize in the Provincial English-Language Science and Engineering Competition in Informatics
- 2018–2019: Competed in the National Olympiad in Informatics (VOI) x2
- 2017–2018: Second Prize in the Provincial Olympiad in Informatics x2
- 2017: Bronze Medal in the Summer Olympiad in the Mekong Delta in Informatics
- 2017: Bronze Medal in the April 30th Olympiad in Informatics
- 2017: Consolation Prize in the Provincial Physics Olympiad via Internet

### **SELECTED PRESS COVERAGE**

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#### **In B.S. Program**

- 2024: UIT News – [Recipient of Master’s Scholarship at Top Korean Research Institute: "Choosing UIT was my crucial and unforgettable turning point"](#)
- 2024: UIT Cafe – ["Is Studying Abroad the Ultimate Destination?"](#) (in Vietnamese)
- 2023: **Tien Phong** – [Valedictorian Graduating with Excellence and Passion for Science](#) (in Vietnamese)
- 2023: **Thanh Nien** – [The Valedictorian Who Persisted in Academia to ‘Gain Freedom in Will and Time’](#) (in Vietnamese)
- 2023: UIT News – [Meet the Computer Science Student with Outstanding Achievements](#) (in Vietnamese)
- 2023: **Dan Tri** – [Meager Salary, Drowning in Debt – A Female Teacher Dreams of Earning Billions in Australia](#) (in Vietnamese)
- 2023: **Tuoi Tre** – [Ho Chi Minh City Leaders Dialogue with Outstanding Students: Opening Space for Gen Z Officials](#) (in Vietnamese)
- 2023: **VnExpress** – [Students Offer Solutions for Ho Chi Minh City to Attract Talent](#) (in Vietnamese)
- 2022: **Tien Phong** – [Two Students Receive ‘Best Paper Award’ at International Conference on ICT](#) (in Vietnamese)
- 2022: **Tuoi Tre** – [Applying AI to History Education](#) (in Vietnamese)

#### **In High School**

- 2018: Dat Mui – [108 Students Compete in the Provincial Youth Informatics Competition](#) (in Vietnamese)

## MENTORING

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**Undergraduate Students at University of Information Technology, Vietnam National University–Ho Chi Minh City**

- **Khoa Huu Tran** (Oct 2022 – Jan 2024) – [GECCO Late-Breaking Abstract Paper](#)
- **Luc Truong** (Oct 2022 – Jan 2024) – [GECCO Late-Breaking Abstract Paper](#)
- **Minh Le** (Oct 2022 – Feb 2023) – [IEEE CEC Paper](#)
- **Vy Tuong Dang** (Dec 2021 – Present) – KAIST Scholarship for M.S. Program (Full Tuition Fee & Stipend) & [ViExam](#)

## PROFESSIONAL SERVICE

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- **Conference Reviewer/Program Committee:** [AAAI 2026](#), [BMVC 2025](#), [IEEE CEC 2024](#), [IEEE CEC 2025](#), [IJCNN 2025](#)
- **Journal Reviewer:** [IEEE Transactions on Evolutionary Computation](#), [IEEE Transactions on Industrial Informatics](#), [IEEE Transactions on Systems, Man and Cybernetics: Systems](#)

## TALKS

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- 2024: **AutoID Labs Asia Workshop 2024** – Efficient Multi-Objective Neural Architecture Search via Pareto Dominance-based Novelty Search.
- 2022: **SoICT 2022** – Training-Free Multi-Objective and Many-Objective Evolutionary Neural Architecture Search with Synaptic Flow.
- 2022: **Vietnam Youth Academy** – University Learning Methods in the Context of Digital Transformation
- 2022: **Ho Chi Minh City Youth Symposium Proud of Vietnamese History** – [Applying AI in History Education](#)

## SELECTED CERTIFICATES

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- 2025: IELTS 7.0 Overall (Exam date: 11 Oct 2025)
- 2023: TOEIC 880 (Exam date: 04 Mar 2023)
- 2021: Computational Thinking for Problem Solving – University of Pennsylvania, Coursera
- 2021: Linear Algebra for Machine Learning and Data Science – DeepLearning.AI, Coursera
- 2021: Python for Data Science and AI – IBM, Coursera
- 2021: Improving Deep Neural Networks: Hyperparameter Tuning, Regularization and Optimization – DeepLearning.AI, Coursera
- 2021: Neural Networks and Deep Learning – DeepLearning.AI, Coursera
- 2021: Fundamentals of Reinforcement Learning – University of Alberta, Coursera
- 2021: Sample-based Learning Methods – University of Alberta, Coursera
- 2020: How Google Does Machine Learning – Google Cloud, Coursera
- 2020: What is Data Science? – IBM, Coursera
- 2020: Basic Statistics – University of Amsterdam, Coursera
- 2020: Machine Learning – Andrew Ng, Stanford University, Coursera

## REFERENCES

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1. **Dr. Anh Totti Nguyen**  
Associate Professor at Auburn University  
anh.ng8 at gmail.com
2. **Dr. Daeyoung Kim**  
Full Professor at KAIST  
kimd at kaist.ac.kr
3. **Dr. Mohammad Reza Taesiri**  
Research Scientist at EA SPORTS Vancouver  
mtaesiri at gmail.com
4. **Dr. Ngoc Hoang Luong**  
Lecturer & Head of AI Department at University of Information Technology, Vietnam National University HCMC  
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